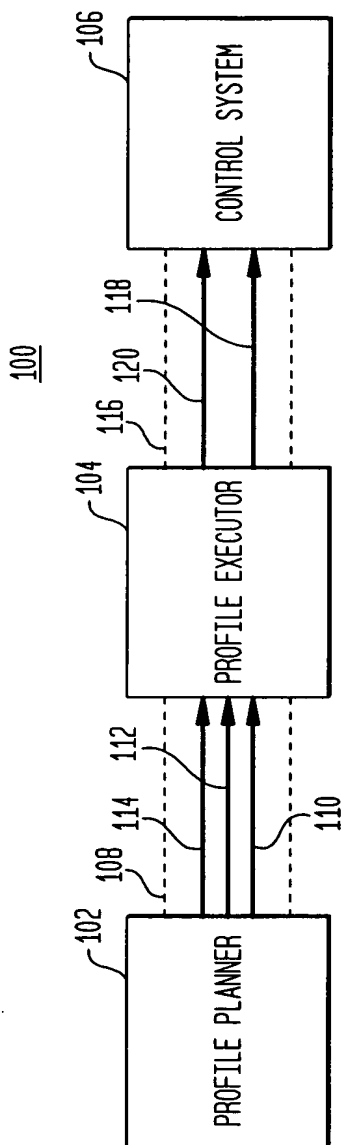


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 Inventor: Roberto B. Wiener; Tel.: (202) 371-2600
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FIG. 1



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FIG. 2

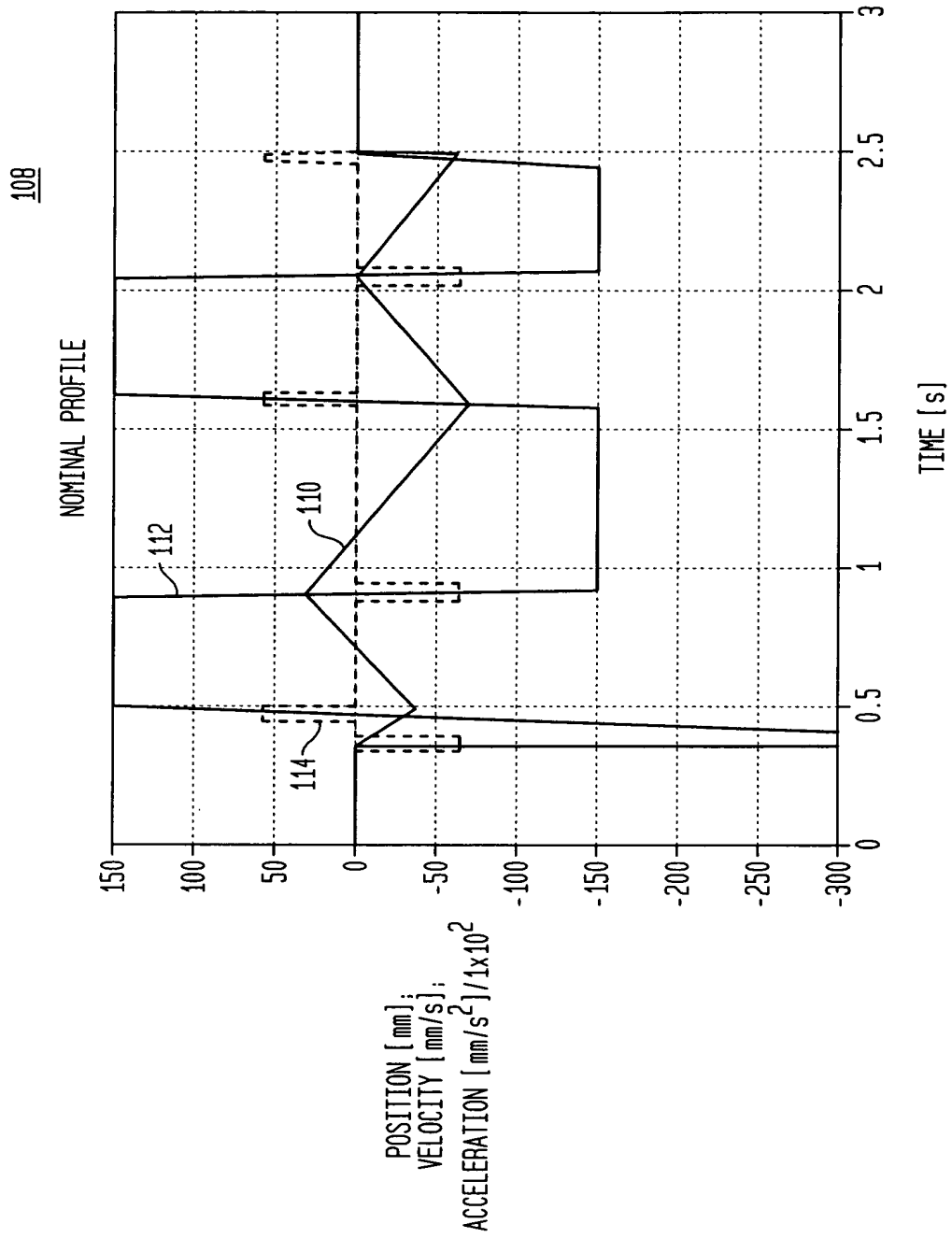


FIG. 3

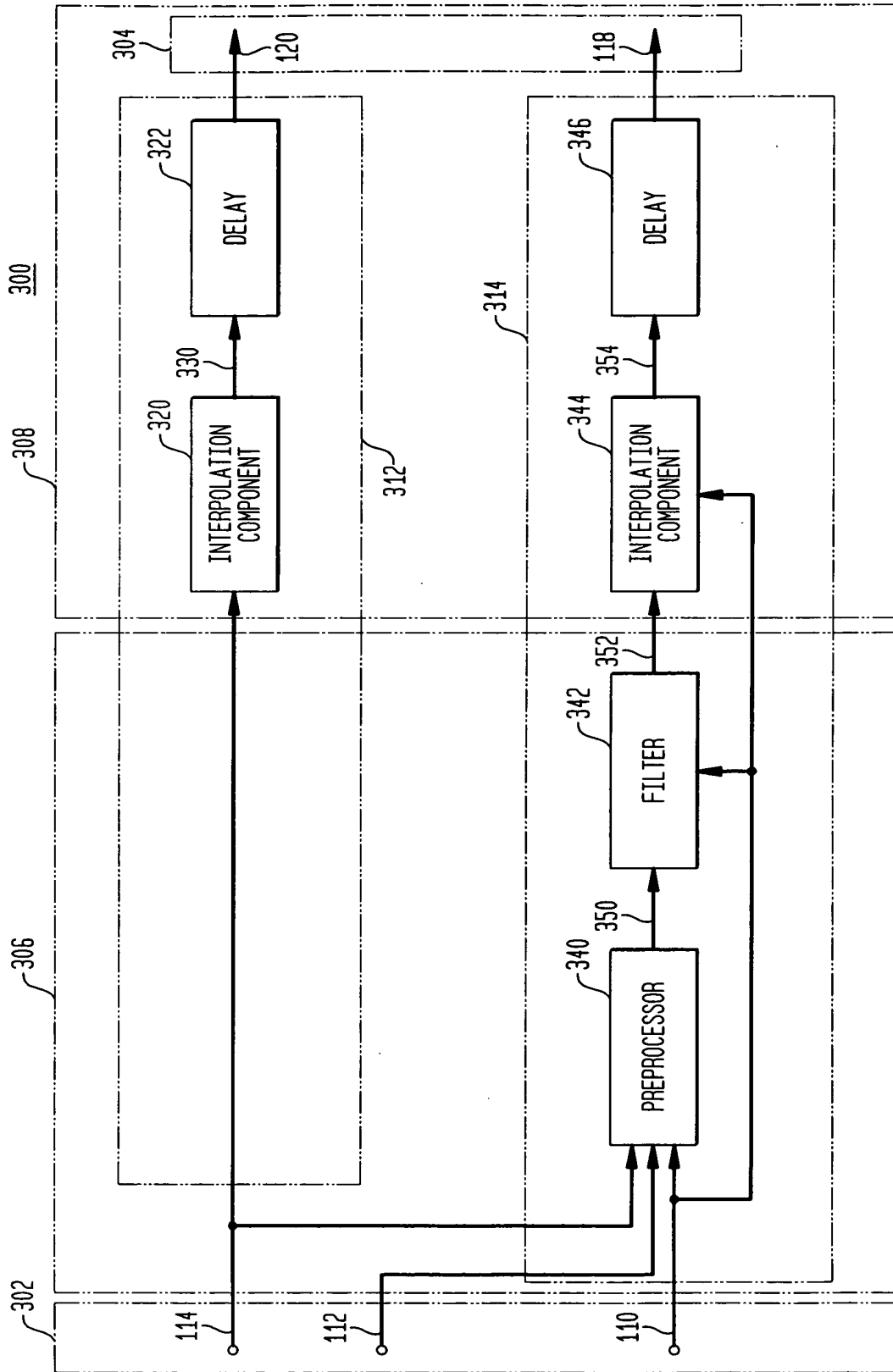


FIG. 4

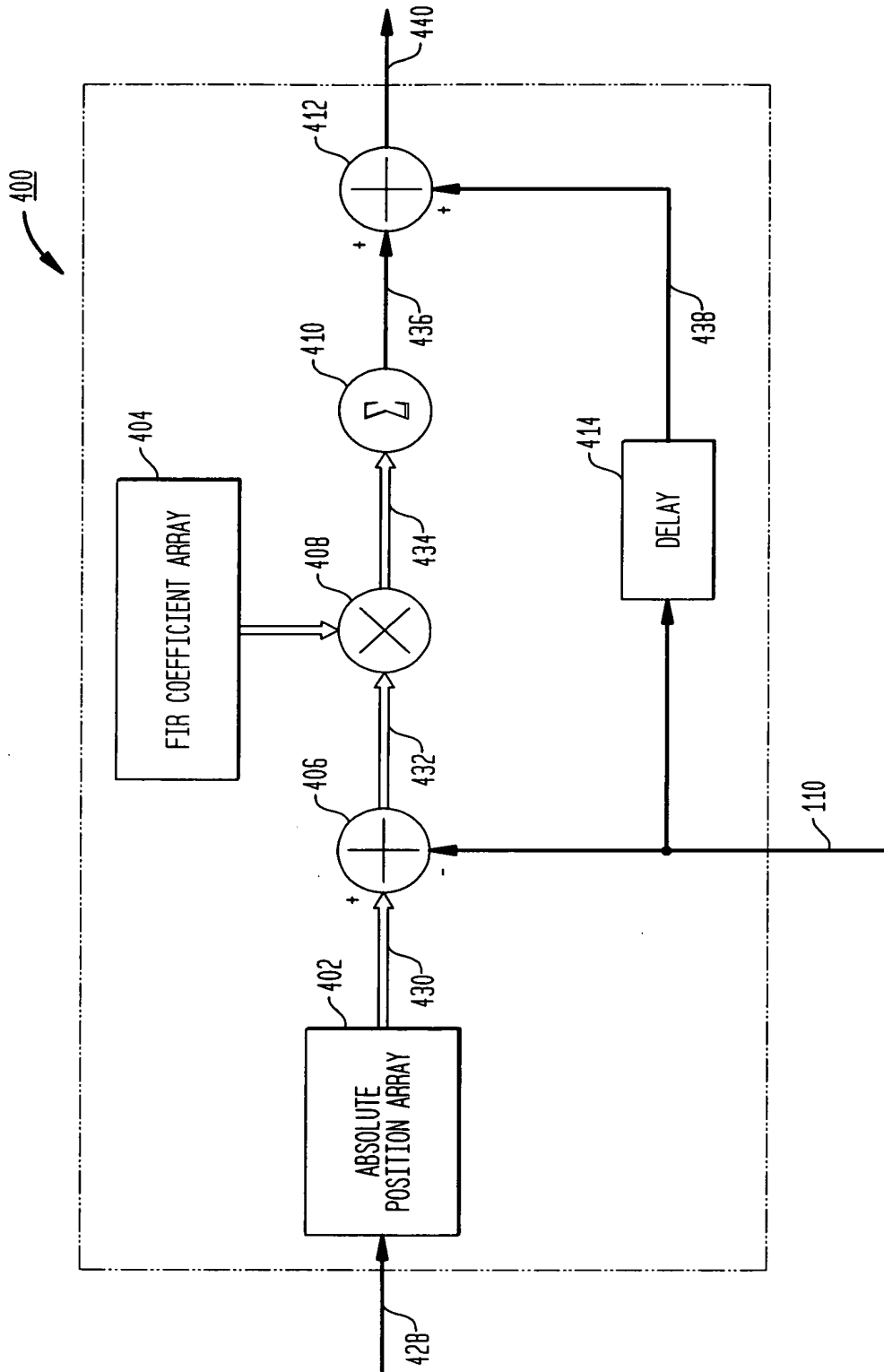
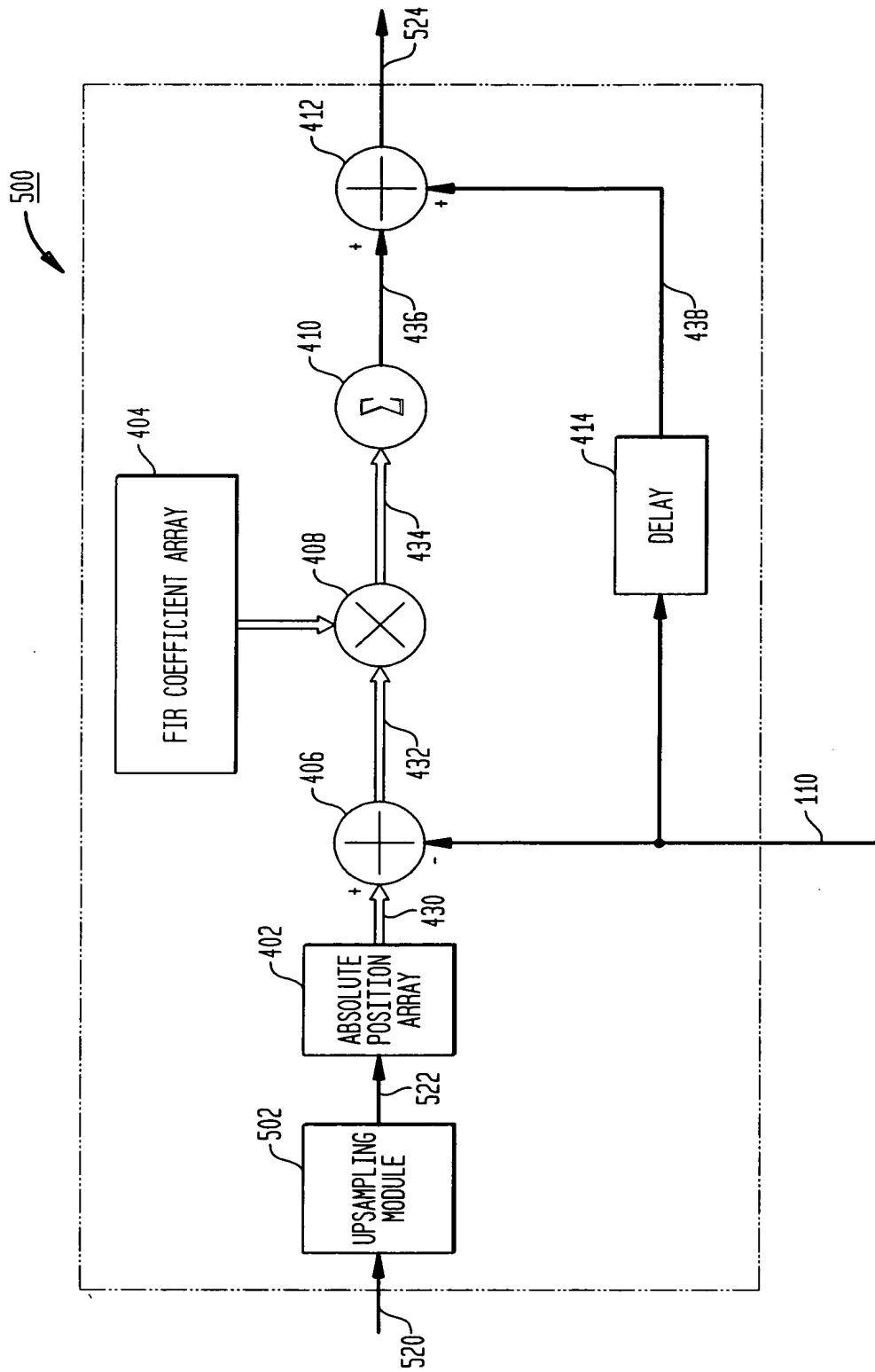
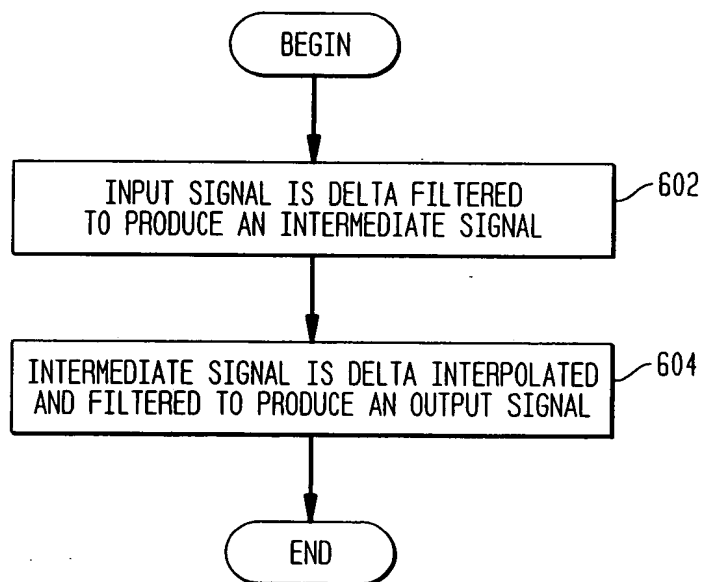


FIG. 5



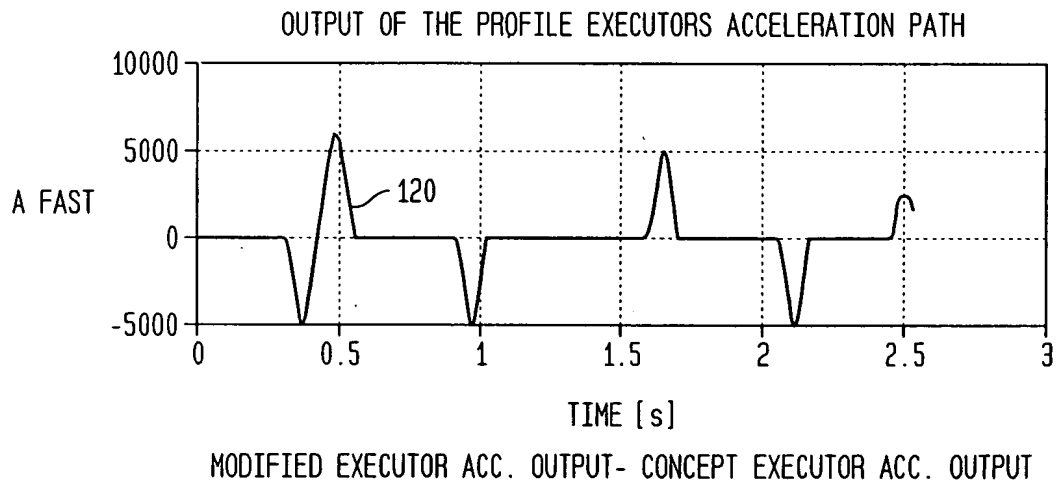
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FIG. 6



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FIG. 7



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FIG. 8

INTERPOLATION FILTERS FREQUENCY COMPARISON

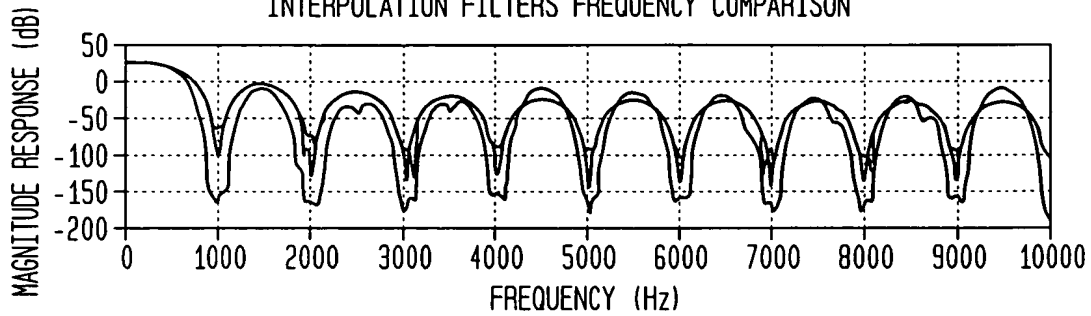


FIG. 9

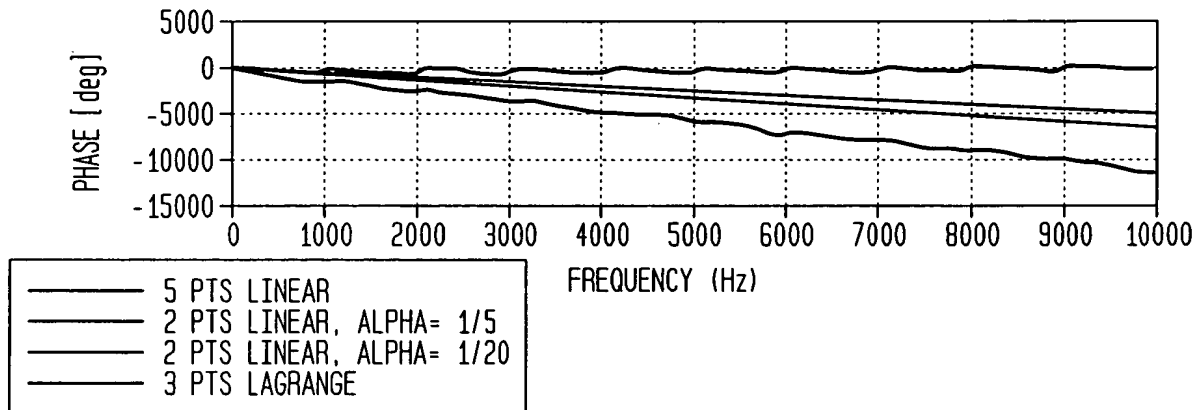


FIG. 10

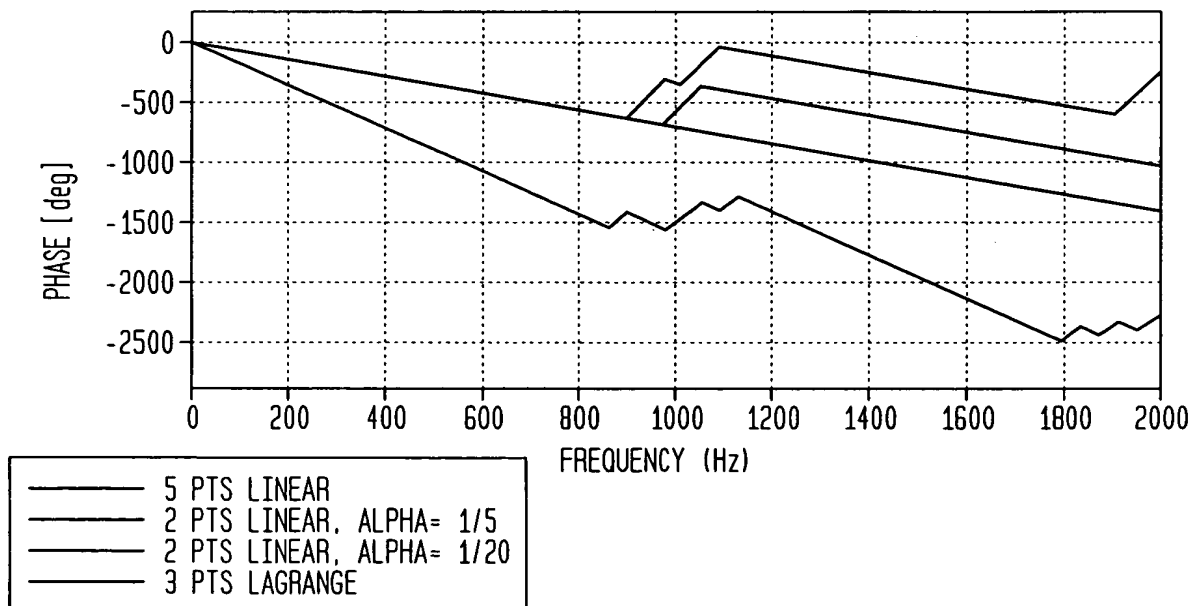
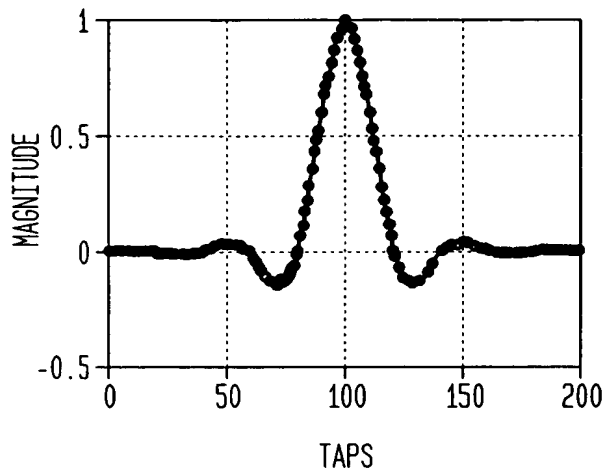
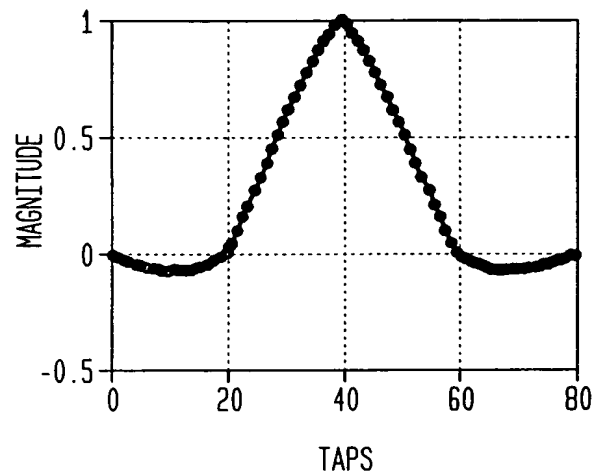


FIG. 11

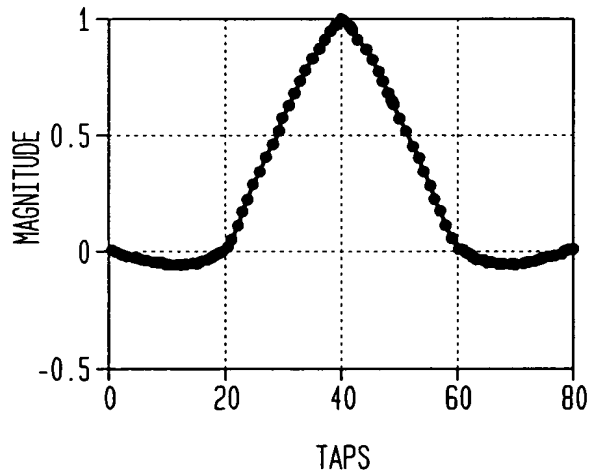
5 PTS LINEAR

**FIG. 12**

2 PTS LINEAR, ALPHA=1/5

**FIG. 13**

2 PTS LINEAR, ALPHA=1/20

**FIG. 14**

3 PTS LAGRANGE

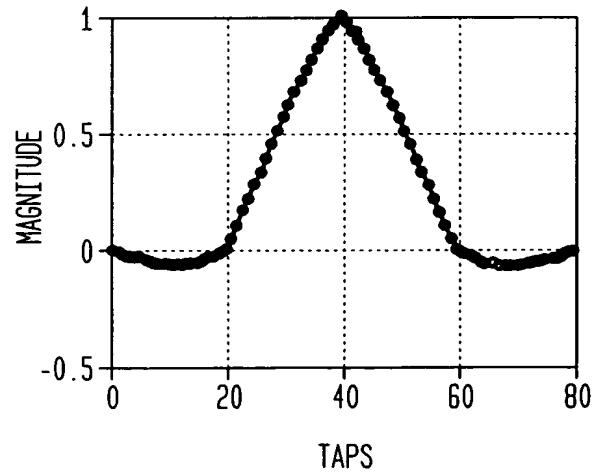
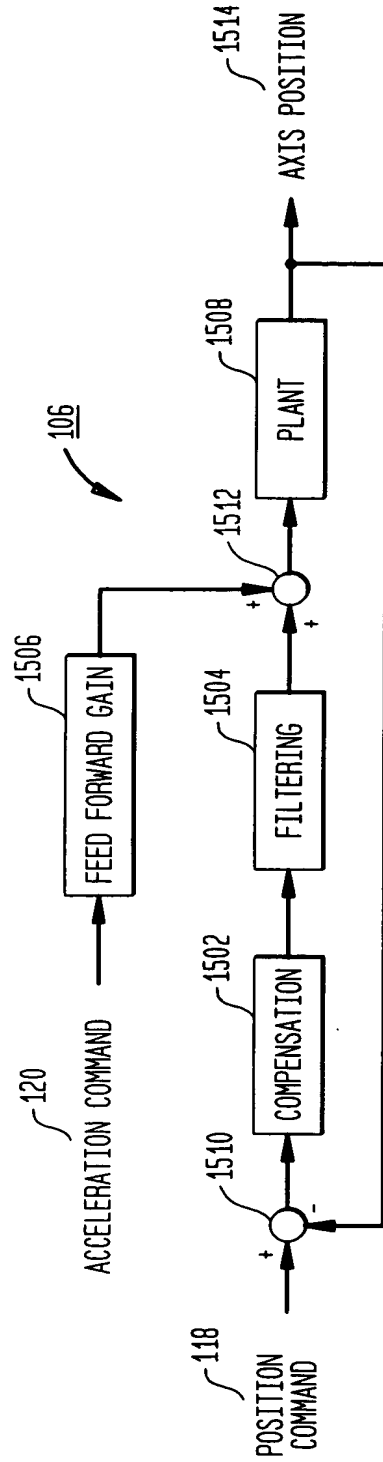


FIG. 15



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FIG. 16A

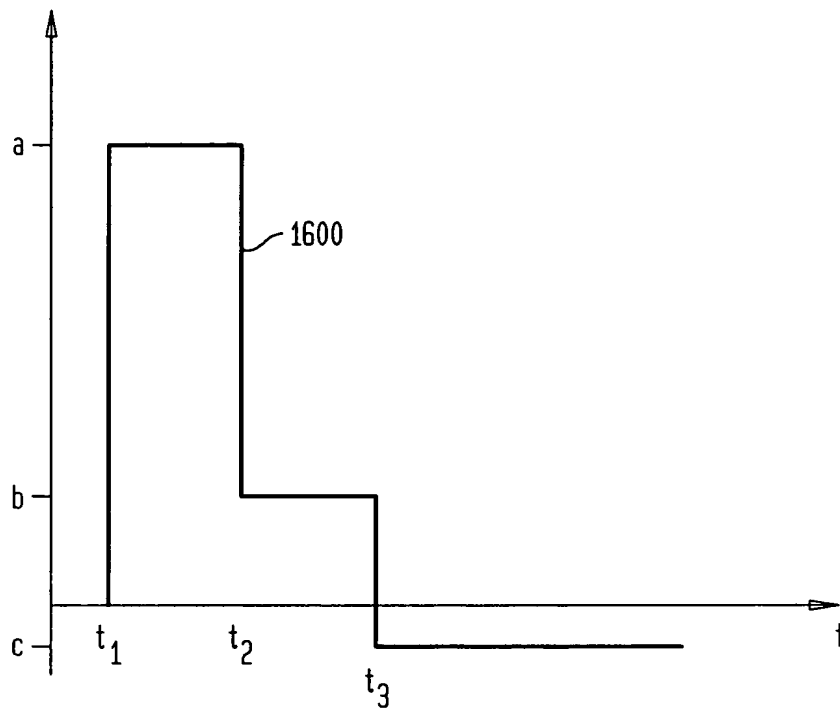
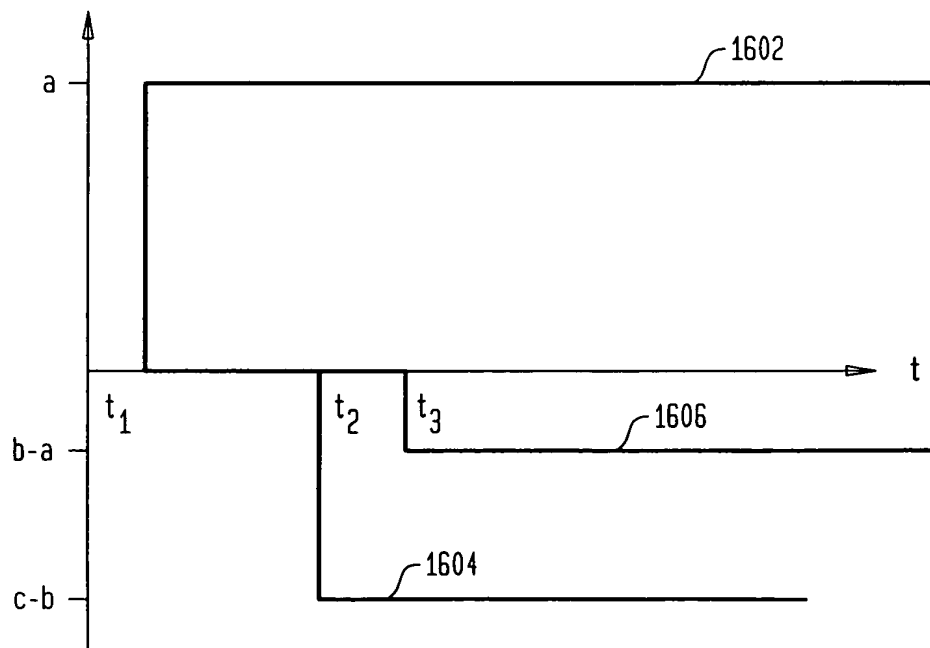
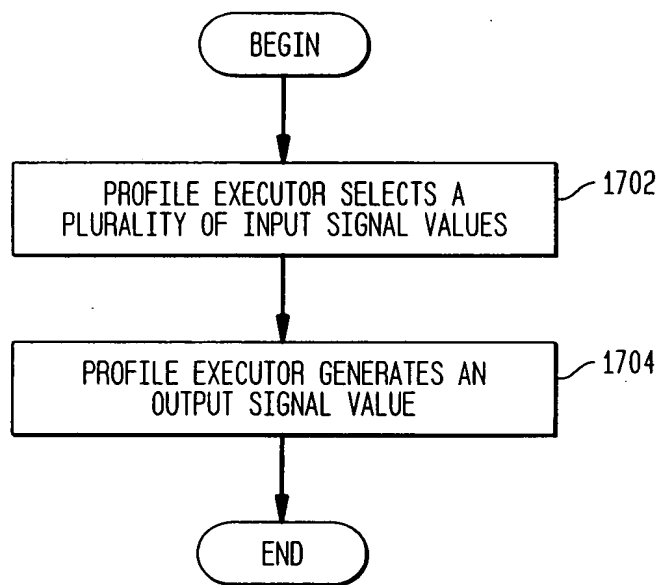


FIG. 16B

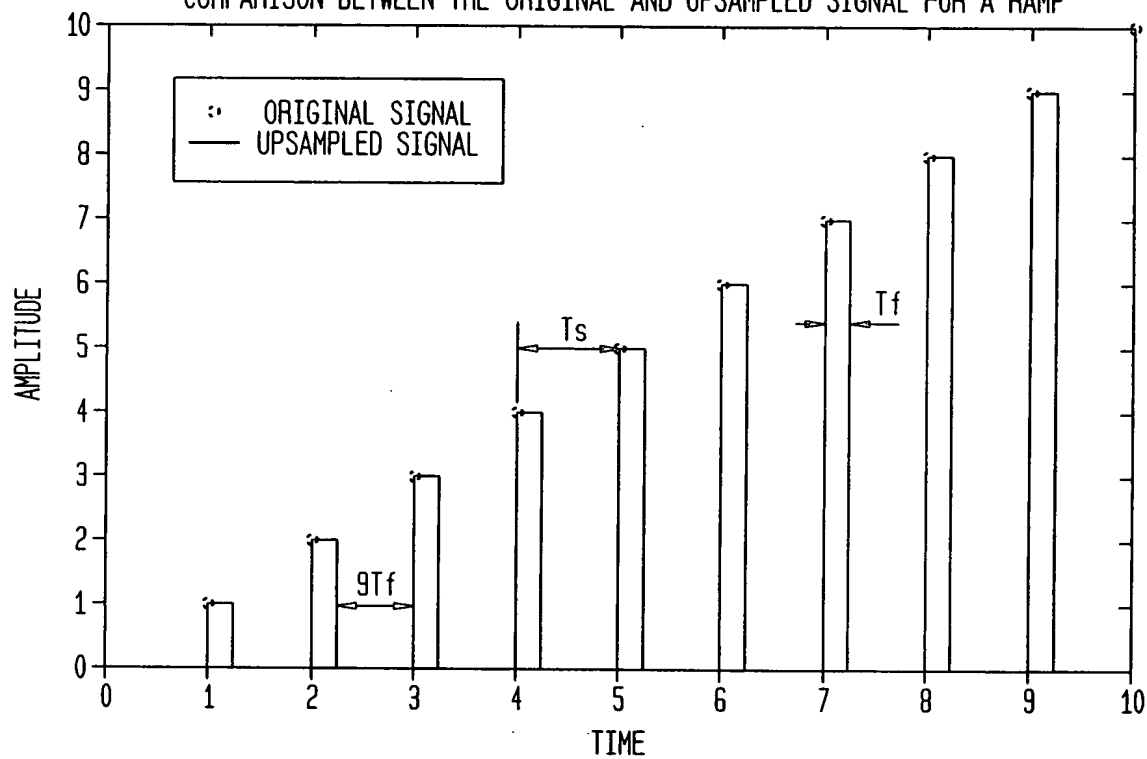


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FIG. 17



COMPARISON BETWEEN THE ORIGINAL AND UPSAMPLED SIGNAL FOR A RAMP



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FIG. 19

